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| One-to-one Relationship |
| One supplier has one company name |
| One supplier has one contact name |
| One supplier has one contact title |

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| One-to-Many Relationship |
| One customer can place many orders  One order is placed by only one customer |
| One supplier can make many products  One product is made by only one supplier |
| One shipper can ship many orders  One order is shipped by only one shipper |

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| Many-to-many Relationship |
| One product can be in many orders  One order can contain many products |
| One customer can order many products  One product can be ordered by many customers |
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| Rule 1: A primary key can never contain a null value | Example: An order detail must have both an order ID and product ID at all times |
| Rule 2: A non-primary key can contain a null value | Example: A discount can be added to an order detail at a later time |